

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
13 January 2005 (13.01.2005)

PCT

(10) International Publication Number
WO 2005/003039 A1

(51) International Patent Classification⁷: **C02F 1/52**,
1/28, 1/56

Robert, J. [CA/CA]; 20-18th Street, Brandon, Manitoba R7A 5A3 (CA). **BRILTZ, Raymond, P.** [CA/CA]; 20-18th Street, Brandon, Manitoba R7A 5A3 (CA).

(21) International Application Number:
PCT/CA2004/000983

(74) Agent: **ADE & COMPNAY**; 1700 - 360 Main Street, Winnipeg, Manitoba R3C 3Z3 (CA).

(22) International Filing Date: 7 July 2004 (07.07.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/484,663 7 July 2003 (07.07.2003) US
60/523,680 21 November 2003 (21.11.2003) US
60/536,531 15 January 2004 (15.01.2004) US

(71) Applicant (for all designated States except US): **HOME FARMS TECHNOLOGIES** [CA/CA]; 20-18th Street, Brandon, Manitoba R7A 5A3 (CA).

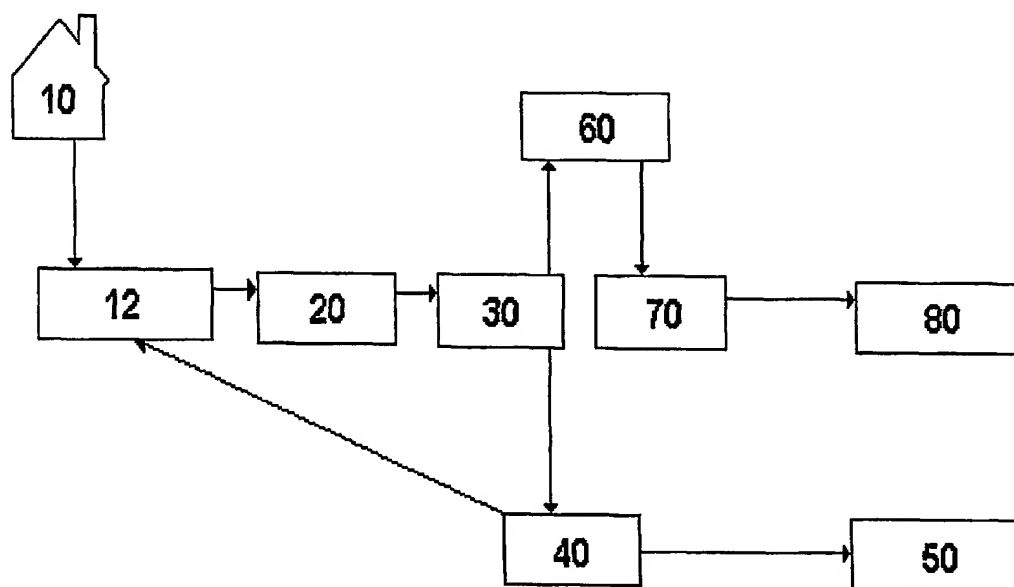
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HUBBARD,**

[Continued on next page]

(54) Title: PROCESS FOR CLARIFYING AND DEODORIZING WATER COMPRISING SUSPENDED SOLIDS



(57) Abstract: A process for treating waste, for example, for clarifying or otherwise treating water containing suspended solids is described. As discussed below, the flow rate of the water is increased by pump means and flocculating chemicals are injected into the contaminated water. The combination of pressure, turbulence and flocculating chemicals promotes rapid floc formation, almost instantaneously, causing the solids to come out of solution. The solids are then separated from the water into dry stackable compost, and the water is then filtered and deodorized to grey water.



WO 2005/003039 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*